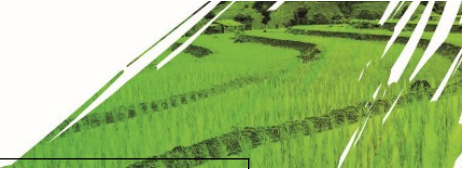


BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Diploma in Agriculture Pearson BTEC International Level 3 Extended Diploma in Agriculture
Unit number and title	Unit 22: Organic Agricultural Production
Learning aim(s)	A: Investigate the core principles of organic agricultural production and its ecological impact B: Explore organic crop production methods in order to plan crop rotation C: Explore organic livestock production methods in order to plan livestock management
Assignment title	Organic Farming - Management plan
Assessor	
Issue date	
Hand in deadline	
Vocational Scenario or Context	You currently have an agricultural enterprise that is profitable and productive. The demand for organic produce (vegetables, fruit and meat and dairy products) is increasing and you have decided to adapt and diversify your current methods to cater for this demand increase in organic produce, by using a large section of ground (500 acres) to produce this produce and fill the market gap for organic produce and products. To do this, you need a management plan put in place before you can proceed with the business diversification.

Task 1	Produce a management plan in report format evaluating the principles of organic production and the impact that soil processes and fertility can have on agro-ecosystems. Your plan should then include the following: - Principles of organic production and the impact that soil processes and fertility including: - Organic principles - Soil processes - Soil fertility - Sustainable agro-ecosystems in an organic environment - Operational nature of organic farms and soil management - A three-year crop rotational plan for two crop species and an animal management plan for one species of livestock including; key aspects of organic livestock management and organic crop and soil management - An evaluation of problems that can be encountered in livestock and crop organics.
Checklist of evidence required	Written report with crop rotational plans.
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
C.D3	Produce a comprehensive animal management plan for livestock species in an organic system, evaluating the role of livestock management.
B.D2	Produce a comprehensive crop rotation plan in an organic system for named crops, evaluating the impact of fundamental soil management principles.
A.D1	Evaluate the principles of organic production and the impact that soil processes and fertility can have on agro-ecosystems
C.M5	Produce a detailed animal management plan for livestock species in an organic system.
C.M4	Analyse livestock management in an organic system for livestock species.
B.M3	Produce a detailed crop rotation plan in an organic system for named crops
B.M2	Analyse the importance of fundamental soil management principles in organic crop production
A.M1	Analyse the principles of organic production and the potential impact of soil processes and fertility on agroecosystems.
C.P6	Produce a basic animal management plan for a livestock species in an organic system.
C.P5	Explain livestock management in an organic system for livestock species.
B.P4	Produce a basic crop rotation plan in an organic system for named crops.
B.P3	Explain the fundamental principles of soil management in organic crop production.
A.P2	Explain the ecological impact of organic agricultural production.
A.P1	Explain the principles of organic production.
Sources of information to support you with this Assignment	Books Howard, A. (2017). <i>The Soil and Health: A Study of Organic Agriculture</i>. Garsington: Benediction Classics. ISBN-13: 978-1781396605 Hansen, A. (2010). <i>The Organic Farming Manual: A Comprehensive Guide to Starting and Running a Certified</i>



Organic Farm. London: Storey Publishing, LLC.

Lampkin, N. Spedding, CRW. (1990). *Organic Farming*. 2nd ed. Chichester: Farming Press Books and Videos. ISBN-13: 978-0852361917

Wiswall, R. (2009). *The Organic Farmer's Business Handbook: A Complete Guide to Managing Finances, Crops, and Staff - and Making a Profit*. London: Chelsea Green Publishing; Pap/Cdr edition.

Ouda, S. et al. (2018). *Crop Rotation: An Approach to Secure Future Food*. London: Springer.

Journals/Magazines

Organic Farming Magazine – Soil Association
Permaculture
Farm Journal

Websites

soilassociation.org/organic-living/organic-farming
fao.org/organicag/oa-faq/oa-faq1/en
ifoam.bio/en/organic-landmarks/definition-organic-agriculture